

Table A-31. Total (Federal plus company and other) funds for industrial R&D performance in the U.S. and number of companies that performed R&D in the U.S., by state and source of funds: 2001

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State	Number of companies <sup>1</sup>	Total	Federal	Company
		[In millions of dollars]		
United States, total	33,263	198,505	16,899	181,606
Alabama	476	905	176	730
Alaska	11	68	2 (E)	66
Arizona	148	2,707	232	2,475
Arkansas	91	254 (E)	5 (E)	249 (E)
California	6,587	41,745	3,648 (S)	38,097
Colorado	1,147	3,117	579	2,538
Connecticut	369	4,686	110	4,576
Delaware	55	1,232	10	1,222
District of Columbia	32	242	78	163
Florida	1,258	3,755	736	3,019
Georgia	654	1,912	57 (E)	1,855
Hawaii	135	93	14 (S)	79 (E)
Idaho	279	884	3 (E)	882
Illinois	2,899	8,232	749	7,483
Indiana	782	3,583	63	3,520
Iowa	629	817	21 (S)	796
Kansas	351	1,299 (S)	(D)	(D)
Kentucky	474	636	8 (E)	628
Louisiana	205	316 (E)	13 (E)	304 (E)
Maine	40	249	49	200
Maryland	587	3,682	1,119	2,562
Massachusetts	1,477	11,378	1,812 (S)	9,566
Michigan	814	14,283	117	14,166
Minnesota	1,513	4,355	207	4,149
Mississippi	101	219 (E)	7 (E)	212 (E)
Missouri	535	1,792	142	1,650
Montana	154	70 (E)	3 (E)	67 (E)
Nebraska	458	306	9 (E)	297
Nevada	45	290	8 (E)	282
New Hampshire	209	1,339	(D)	(D)
New Jersey	1,298	10,164	207	9,957
New Mexico	189	231	95	135 (E)
New York	2,051	10,884	994	9,890
North Carolina	598	4,138	70 (E)	4,068
North Dakota	144	347	1 (E)	346
Ohio	1,581	6,694	783	5,912
Oklahoma	457	543 (E)	14 (E)	529 (E)
Oregon	218	2,677	19 (E)	2,658
Pennsylvania	1,632	8,967	122 (E)	8,844
Rhode Island	203	1,134 (S)	(D)	(D)
South Carolina	221	921	17 (E)	904
South Dakota	18	87 (E)	2 (E)	86 (E)
Tennessee	525	1,503	154	1,348
Texas	1,524	9,839	185	9,654
Utah	621	1,173	168 (S)	1,005

See explanatory information and SOURCE at end of table.

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State	Number of companies <sup>1</sup>	Total	Federal	Company
		[In millions of dollars]		
Vermont	225	339	7 (S)	332
Virginia	643	2,957	680	2,277
Washington	609	8,933 (S)	555	8,378 (S)
West Virginia	121	211	6	205
Wisconsin	1,200	2,469 (S)	22 (E)	2,447
Wyoming	9	28 (E)	1 (E)	27 (E)
Undistributed funds <sup>2</sup>	223	9,819 (S)	784 (S)	9,035 (S)

<sup>1</sup> Detail does not add to total because multi-establishment companies may perform R&D in more than one state

<sup>2</sup> Includes data reported on Form RD-1 that were not allocated to a specific state.

KEY: (D) = Data have been withheld to avoid disclosing operations of individual companies.

(S) = Indicates imputation of more than 50 percent.

(E) = Indicates imputation of more than 50 percent due to raking of state data

NOTES: The methodology to produce estimates of total, Federal, and company R&D expenditures by state was modified from previous years to address the recurring problem of large year-to-year variation in many state estimates. This variability was caused by many factors including the potential inefficiency of the sample at state levels, the rarity of R&D expenditures, and the large weights often associated with companies that report R&D in the survey for the first time. Under the new methodology, a portion of the amount of R&D reported by some companies not selected for the sample with certainty is allocated among all the states in which there was industrial activity. For a more detailed explanation of the new methodology and the definition of "certainty" company, see the technical notes in Survey of Industrial Research and Development Methodology: 2001 at <http://www.nsf.gov/sbe/srs/sird/start.htm>. Note that there was no change to the methodology for estimating the number of R&D performers in each state. This estimate continued to be calculated by summing the weights of the companies that actually reported R&D activity in a given state.

The company R&D in this table is the industrial R&D performed within company facilities funded from all sources except the Federal Government. The funds predominantly are the company's own, but also include funds from outside organizations such as other companies, research institutions, universities and colleges, nonprofit organizations, and State governments. Excluded from this table are company-funded R&D not performed within the company (e.g., R&D contracted out to other organizations) and company-funded R&D not performed within the 50 U.S. states or D.C. (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations)

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2001